

- Home
- Lobby
- Event
- My Meeting
- Agenda
- Exhibitor Listing
- Attendees
- Information
- Virtual Networking
- Help Desk
- User Guide

PT-PS-10: Pre-instruction indicators of potential success in introductory physics courses

[Add Notes](#) [Add to My Schedule](#) [Message Presenter](#) [View Session](#) [Back](#)



Topic

PT-PS-10: Pre-instruction indicators of potential success in introductory physics courses

Fri, Mar 03, 2023

05:30 PM - 07:30 PM

Session Name

Poster Session

Presenters/Authors

[David Meltzer](#)

Description

We have administered a number of diagnostic pre-instruction tests to introductory college physics students at three campuses of two universities, including measures of mathematical skill, scientific reasoning ability, and physics knowledge. In addition, we have recently re-analyzed additional related data from two other universities. We will report on the extent to which students' relatively high performance on these various pre-instruction indicators is associated with attainment of high grades in their introductory physics courses. We do find in many cases a significant positive relationship, but note that factors such as motivation, class participation, and consistent effort may also play a significant role.